

GOLUBANDY, I.I., LARSEN, V. R. L. "Adaptation"

Investigating the parameters of the functions of the serial  
regulation by means of the sample method and other methods.  
Ehim. prom. no. 2:129-130. 1964. (MIA 211)

LYAKHOV, O., kand. tekhn. nauk; GELMAN, V. O., inzh.

Highly economical water heater. Ooshchestv. pat. no. 1:38-40 Ja '63.  
(Water heaters) (MIRA 16:4)

(Gas, Natural)

SCIENCE, Technology, and the Future.

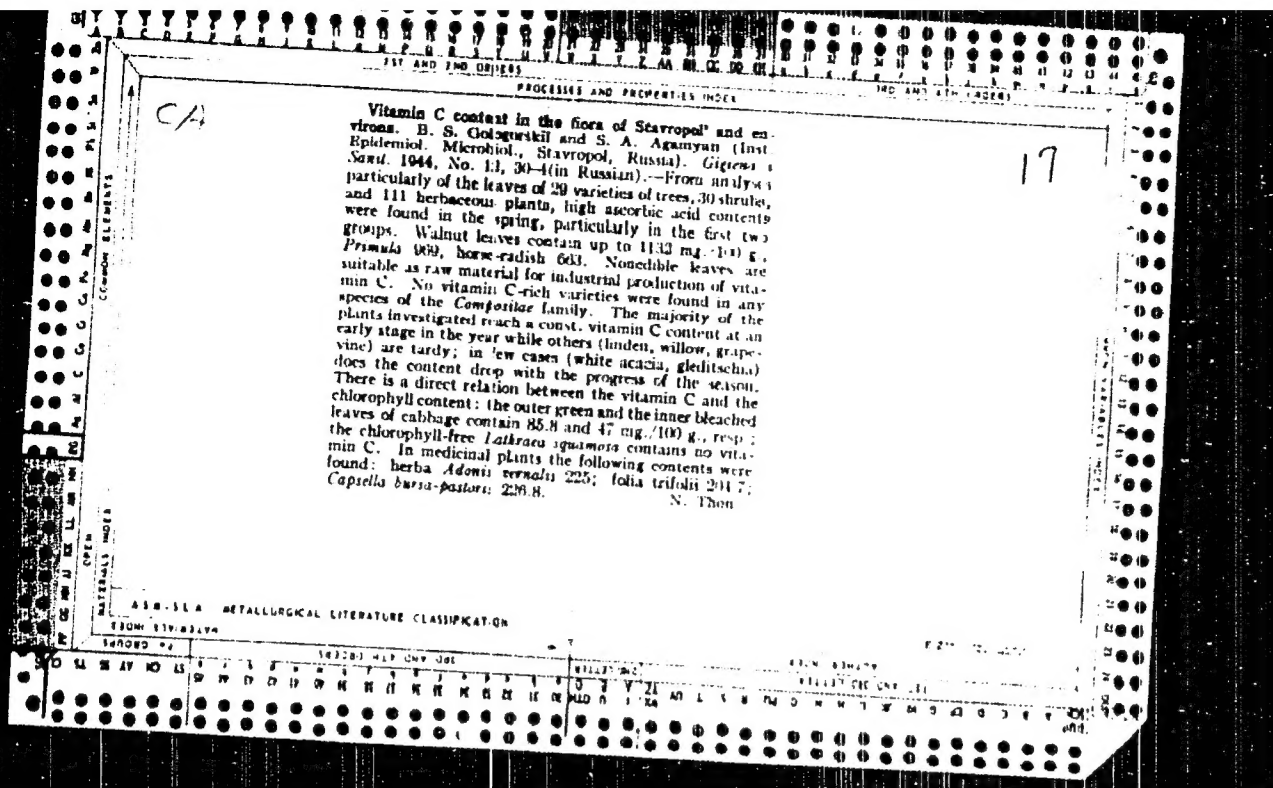
Krakow and the future of the research center of the Polish  
Cable equipment industry. Projected: 10-25 My 1982.

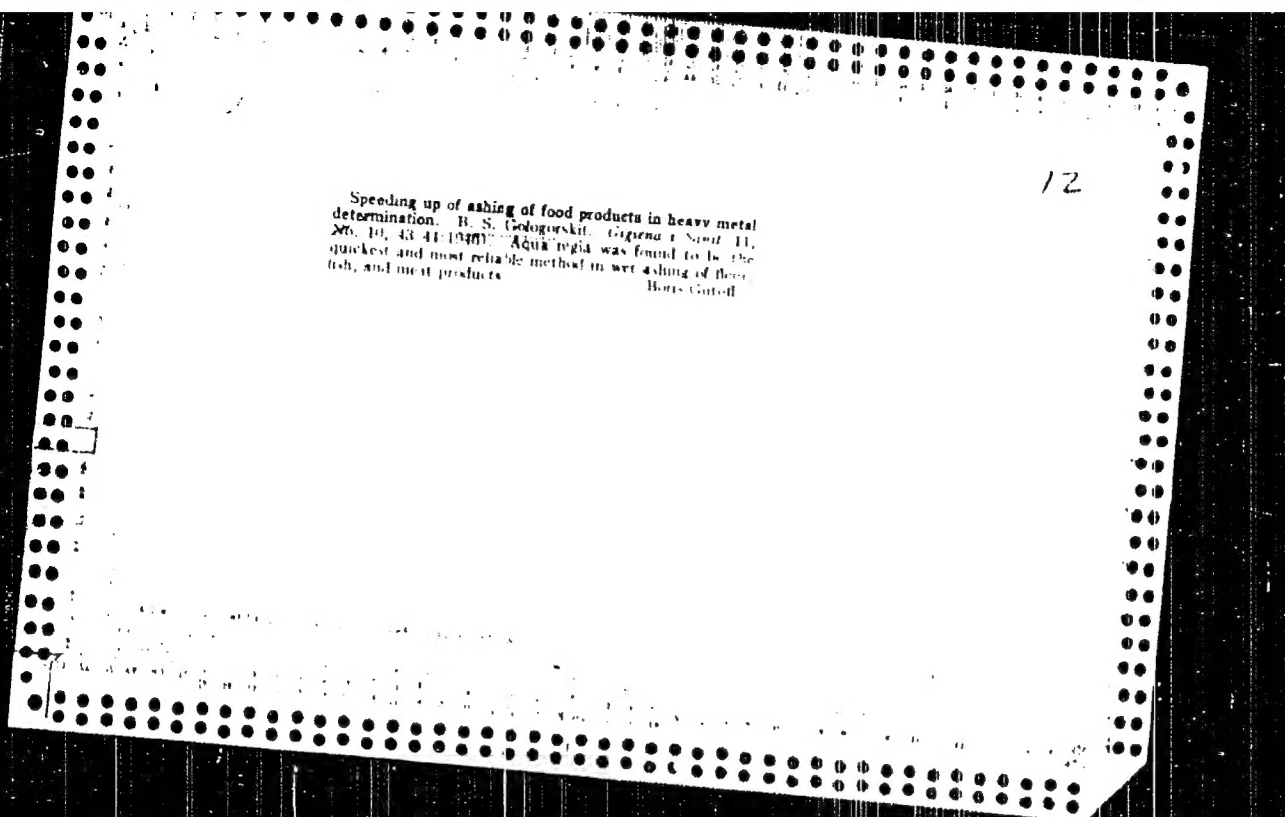
1. Centralny Ośrodek Konstrukcyjny, ul. D. Madziarskiej 10, Krakow.

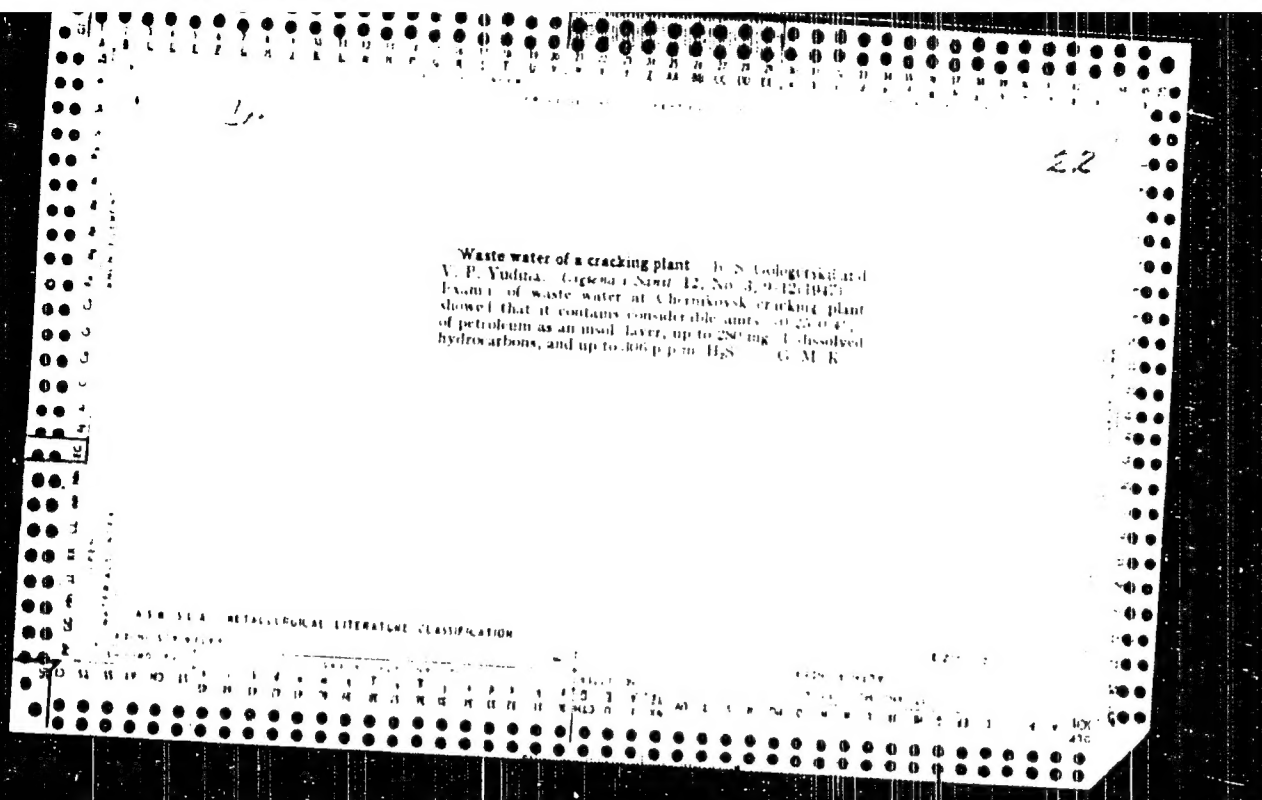
The nutritive value of dried milk. The hygienic properties of dried milk. B. S. Golovinski and M. P. Goshkova. *Voprosy Pitanii* 6, No. 5: 87-94 in English (1967).--Milk powder is very low in saprophytic microflora. When prep'd by spraying, the powder is 99.94-100.21% sol., while the film method of prep'n gives a product which is only 72.0% sol. If stored in the presence of moisture it becomes less sol. S. A. R.

AS 11.11.1 METALLURGICAL LITERATURE CLASSIFICATION

THE NUTRITIVE VALUE OF DRIED MILK. The assimilation of dried milk. B. S. Gologorski and M. P. Pashovnikova. *Voprosy Pitanii* 6, No. 5, 95-104 in English 194 (1937).—The assimilation of milk powder is slightly inferior to that of whole milk, differences of 1.7% for protein and 0.5% for fat being obtained. The milk sugar is assimilated to an equal extent in each case. The different methods of prepn. of the powder have little effect on capacity for assimilation. S. A. Kartala.







Vitamin C in market milk. B. S. Golopinski. *Vopr. Khim. i Biol.* 12, No. 8, 89-93 (1975). The vitamin C level in market milk of Dnepropetrovsk is 10.9 mg/l. The summer milk contains 3-4% more vitamin C than the winter milk. Large variations exist among different cows (up to a factor of 100). Since the milk is kept at 9-10°C, no appreciable destruction of C takes place in 4 days, this makes possible vitaminization of the winter milk supply by vitamin exts. or tablets. Little difference in stability was observed between raw and pasteurized milk. G. M. Koshopod.

ASME S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

REGIONAL SYMPOSIUM

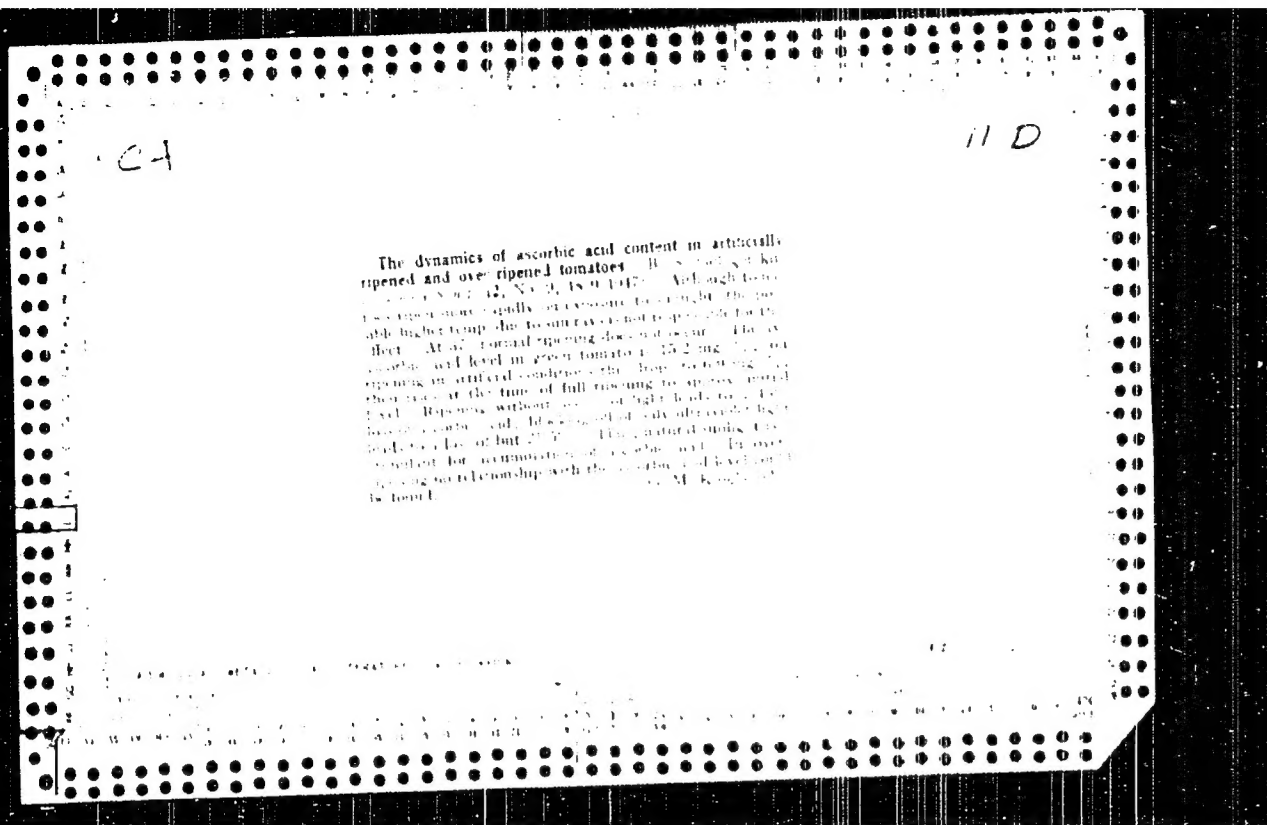
STANDARD No.

SEARCHED MAP CWP THE

RESEARCH

REGIONAL SYMPOSIUM

STANDARD No.



Vitamin A and carotene in milk. H. C. Golegowski and J. S. Siro, *Ann. N. Y. Acad. Sci.* 48: 1-18, 1947. Determinations of vitamin A and carotene were made on 28 tests with milk samples obtained in the open market in February, March, May, and September-November. Further, 75 tests were made with the samples of dried milk obtained from 2 factories. Fresh cow milk contained, on the average, 1.07 and 24.9  $\mu$ g. per 100 ml. of carotene and A, resp. Milk samples obtained in summer and autumn had 1.4 times more carotene and 1.4 times had winter milk. No destruction of carotene or A resulted from boiling for 3 min. The average content of carotene and A in dried milk was 0.133 and 2.4  $\mu$ g. per 100 g. resp. Storage for 12-16 months in air-tight containers did not reduce the content of dried milk. Reconstituted dried milk had a somewhat higher carotene and A content than had fresh cow milk.

Preservation of milk by high frequency current. By G. G. Gologorski and Yu. V. Tenaovskii. Zhurnal Priklad. Khim., No. 9, 32-33 (1948). Irradiation of milk by an 8000 high-frequency generator (the frequency range not stated) showed that: 0.5 hr treatment with temp rise to 70-5° is more effective than 1-2 min exposure with temp. rise to 65-8°, in respect to disappearance of micro-organisms. The loss of albumin is low (6.6%), but isochlorin and is better preserved (5% loss) in the short treatment, in the long treatment the loss is 14.8%. G. M. Kosedanoff.

Vitamin C content in plants of Bashkir SSR near

Ufa. B. S. Golozorovskii, E. N. Klonovskii, A. A. V. Golozorovskii (Inst. Experimental Microbiol., Ufa, Bashkiria, 1949, No. 1, 20-21). Data of vitamin C in native plants showed *Rosa chinensis* near with the highest levels. Fruit 2185 mg %, plant leaves 192 mg %. Other high level plants are *Juglans mandchurica* 1184, *Malus Red* 1020, *As. praecox* 1084, and *Prunella* 710. Preliminary data on vitamin C levels in plants of varying degrees of acidity are presented. G. M. Klonovskii.

GOLOGORSKIY, Samuil Davidovich; YELINSKIY, Mikhail Kharitonovich;  
HAZARENKO, N., red.; GONCHAR, A., red.; ZELENKOVA, Ye.,  
tekhn.red.

[Handbook for making estimates for capital construction]  
Spravochnoe posobie po sostavleniiu smet na kapital'noe  
stroitel'stvo. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.  
USSR, 1960. 550 p. (MIRA 14:2)  
(Building--Estimates)

GOLOGORSKIY, V.A.

The problem of solitary liver cysts. Sov.med. 22 no.7:134-135  
Jl '58 (MIRA 11:10)

1. Iz kafedry obshchey khirurgii (zav. - prof. G.P. Zaytsev)  
pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta  
(LIVER, cysts  
solitary (Rus))

GOLOGORSKIY, V. A. Cand Med Sci -- (diss) "Data for the application of  
potentiated anesthesia in surgical clinics" Mos, 1959. 20 pp (Second Mos  
State Med Inst im N. I. Pirogov), 750 copies (KL, 48-59, 116)

GOLOGORSKIY, V.A. (Moskva, G-242, Sadovo-Kudrinskaya, d. 7, kv. 57)

Errors and hazards in modern anaesthesia. Nov. khir. arkh. no.2:  
48-59 Mr-Apr '59. (MIRA 12:7)

1. Kafedra obshchey khirurgii (zav. - prof. G. P. Zaytsev)  
pediatricheskogo fakul'teta 2-go Moskovskogo meditsinskogo instituta.  
(ANESTHESIA--COMPLICATIONS AND SEQUELAE)

GOLOGORSKIY, V.A.

Results of potentiated anesthesia in surgery. Khirurgia 35  
no.2:83-91 F '59. (MIRA 12:5)

1. Iz kafedry obshchey khirurgii (zav. - prof. G.P.Zaytsev)  
pediatricheskogo fakul'teta II Moskovskogo gosudarstvennogo  
meditsinskogo instituta im. N.I.Pirogova.  
(HIBERNATION, ARTIFICIAL,  
results (Rus))

GOLOGORSKIY, V.A.

Clinical aspects of potentiated anesthesia. Kaz.med.zhur, 40  
no.6:61-69 N-D '59. (MIRA 13:5)

1. Iz kafedry obshchey khirurgii (zav. - prof. G.P. Zaytsev)  
pediatricheskogo fakul'teta 2-go Moskovskogo meditsinskogo  
instituta im. N.I. Pirogova.  
(ANESTHESIA)

GOLOGORSKIY, V.A., kand.med.nauk; TSIRUL'NIK, S.I.

Surface endotracheal anesthesia in serious gynecological operations.  
Nauch.trudy Chetv.Mosk.gor.klin.bol'. no.1:174-182 '61.

(MIRA 16:2)

1. Iz kafedry obshchey khirurgii pediatricheskogo fakul'teta (zav. - prof. G.P. Zaytsev) i ginekologicheskoy kliniki (zav. - prof. V.N. Vlasov), kafedry akusherstva i ginekologii pediatricheskogo fakul'teta (zav. prof. A.A. Lebedev) 2-go Moskovskogo gosudarstvennogo meditsinskogo instituta imeni N.I. Pirogova na baze Moskovskoy gorodskoy klinicheskoy bol'nitsy No.4 (glavnyy vrach G.F. Papko).

(INTRATRACHEAL ANESTHESIA) (GYNECOLOGY, OPERATIVE)

GOLOGORSKIY, V.A.; KAZANTSEV, F.N.

Problem of causes and treatment of hypotension during anesthesia  
and surgery. Khirurgiia 37 no.4:52-62 '61. (MIRA 14:4)

1. Iz kafedry obshchey khirurgii (zav. - prof. G.P. Zaytsev)  
pediatricheskogo fakul'teta II Moskovskogo gosudarstvennogo  
meditsinskogo instituta imeni N.I. Pirogova.  
(ANESTHESIA) (SURGERY, OPERATIVE) (HYPOTENSION)

ZAITSEV, G.P.; GLOGOLSKII, V.A.; LEFEL, G.N., Ed.; PERE LATA.  
E.A., tekhn. red.

[Potentiated anesthesia in the surgical clinic] Potentsi-  
rovaniye narkoz v khirurgicheskoi klinike. 10.kva,  
Izdaviz, 196 . 148 p. (MIRA 10:12)

TSIRUL'NIK, S.I.; GOLOGORSKIY, V.A.

Analgesic anesthesia with nitrous oxide in surgical gynecology.  
Akush. i gin. no. 2:31-37'63. (MIRA 16:10)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. A.A. Lebedev) i kafedry obshchey khirurgii (zav. - prof. G.P. Zaytsev) pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.  
(GYNECOLOGY, OPERATIVE) (NITROUS OXYDE)  
(ANESTHESIA)





ГОЛУБОВСКИЙ, В.А.; ЛЕВЕНЧИК, С.С.

Advantages of combined anesthesia with the use of muscle relaxants  
in gynecologic surgery. Sov. med. 27 no. 11-12-3 1962.

(MH) 17110

1. Kafedra obshchey khirurgii (zav. - prof. V. I. Gaydukov) i kafedra  
akusherstva i ginekologii (zav. - prof. A. A. Lebedev, pediatriches-  
kogo fakul'teta II Moskovskogo voprosninskogo instituta imeni Sirogov.

Мельник, Владимир Маркович; МЕЛЬНИК, Александр Семёнович,  
Мельник, В.А., ред.

[Anesthesia and anesthetic apparatus] Мельник В. Маркович  
и др. Москва, Медицина, 1961. 219 с.

(U.S.S.R.)



DOLGOPILOSK, B.A.; KROKHELVA, Ye. N.; KHERENNIKOVA, Ye. K.; KUZNETSOVA, Ye. I.;  
GOLLOVA, K. G.

Polymerization of dienes under the influence of homogeneous  
catalytic systems containing cobalt and nickel salts. Dokl.  
AN SSSR 135 no.4:847-848 '60. (MIA 13.11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo  
kauchuka im. S. V. Lebedeva. 2. Chlen-korrespondent AN SSSR (for  
Dolgoplosk).

(Olefins) (Polymerization)



Semi-Automatic Welding of Thin Steel Structures

017.1.1-10-1-10-10

ASSOCIATION: Institut Elektromekhanika Ya.S. Ponomarev (Institute of Electric-Mechanics) V.I. Ponomarev (Institute of Electric-Mechanics)

SYNOPSIS: 1. Steel, 2. Arc

1. Steel--Arc welding 2. Arc welding--Equipment 3. Carbon dioxide--Performance 4. Structures--Materials

1.1.1.1.1

125-58-5-12/13

72  
AUTHORS: Potap'yevskiy, A.G., Gologovskiy, S.K., and Munoylo, L.A.

TITLE: Semi-Automatic Device for welding Thin-Sheet Steel Under Assembly Conditions (Polnavtomat ilya sverki tankolistovoy stali v montazhnykh usloviyakh)

PERIODICAL: Avtomaticheskaya Svarka, 1959, Nr 5, pp 89-91 (USSR)

ABSTRACT: A semi-automatic device for arc welding in carbon dioxide has been especially devised for assembling sheet metal structures. It permits welding in any position. The feed mechanism which weighs only 3 kg, is placed in a small knapsack carried by the operator on the back. It does not hamper the operator. The design and operation information is illustrated by a drawing and an electric diagram. The device is designed by the Electric welding Institute imeni Ipatov and built at the Kiev Mechanical Plant. There are 2 figures and 3 Soviet references.

Card 1/2

125-58-5-12/13

Semi-Automatic Device for welding Thin-Sheet Under Assembly Conditions

ASSOCIATION: Institut elektrosvarki imeni Ye.O. Patona AN UkrSSR (welding  
Institute imeni Ye.O. Paton of the AS UkrSSR) and Kiyevskiy  
mechanicheskii zavod (Kiyev Mechanical Plant)

SUBMITTED: February 22, 1958

AVAILABLE: Library of Congress

Card 2/2

GOLOGOVSKIY, G.M.

Book on welding in an atmosphere of carbon dioxide. ("Welding in an atmosphere of carbon dioxide" by I.I.Zaruba and others. Reviewed by G.M.Gologovskii). Avtom. svar. 14 no.3:98-99 Mr '61.

(MIRA 14:2)

(Welding) (Protective atmospheres)  
(Zaruba, I.I.)

GOLOPNIAC, F.

Electroerosive treatment of metals (to be conti.) p. 46

STROJNARKE VEŠTINE (Fakulteta za elektroeniko in strojništvo Univerze v Ljubljani Institut za turbostroje v Ljubljani Društvo strojnih inženirjev in tehnikov LR Slovenije in Strojna industrija Slovenije) Ljubljana, Yugoslavia. Vol 4, no. 3/4, June 1956

Monthly List of East European Accession EALIC, Vol. 4, no. 6, June 1959  
Encls.

GAICGRANC, F.

Electroerosive treatment of metals. (Conclusion) p. 11c

STROJNICKA VEŠTILA (Fakulteta za elektrotehniko in strojništvo Univerze v Ljubljani Institut za turbostroje v Ljubljani Društvo Strojnih Inženirjev in tehnikov LR Slovenije in Strojna industrija Slovenije) Ljubljana, Yugoslavia.  
Vol 4, no. 5, Sept. 1958

Monthly List of East European Accession EEAR LC, Vol 4, no. 6, June 1957  
Uncla.

GOLOGRANC, F.

Sticking of material to tools during machining. p. 9.

Regulations concerning the mark of quality. p. 13.

Yugoslav standards. p. 15.

Periodical: STROJNISKI VESTNIK.

Vol. 5, no. 1, Jan. 1959.

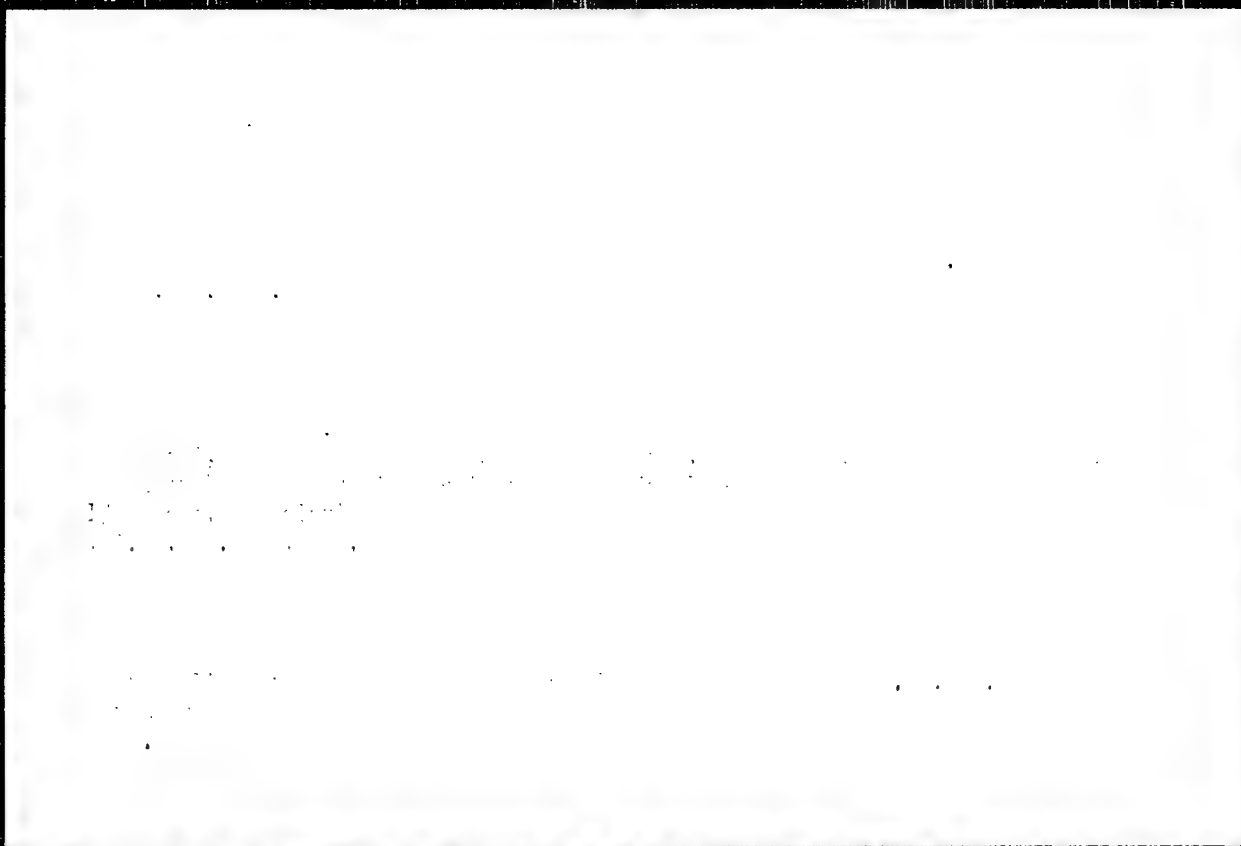
TECHNOLOGY

SO: Monthly List Of East European Accessions (EEAI) LC

Vol. 8, no. 4  
April 1959, Uncl.

**"APPROVED FOR RELEASE: 09/24/2001**

**CIA-RDP86-00513R000515730006-4**



**APPROVED FOR RELEASE: 09/24/2001**

**CIA-RDP86-00513R000515730006-4"**

GOLOGRANC, Franc, ing.

Rationalization in machining of rolls for rolling mills. Stroj  
vest 6 no.6:183-186 D '60. (EEAI 10:6)

1. Fakulteta za strojninstvo univerze v Ljubljani.  
(Rolling (Metalwork))

GOLOGRANC, Franc

Sixth European Exhibition of Machine Tools. Stroji vest 6 no.1:11-13  
Ja '60. (EEAI 10:5)

(Machine tools) (Paris--Exhibitions)

GOLCGRANC, Franc. ing.

Some characteristics of the development of modern machine tools.  
Stroj vest 6 no.4/5:136-148 S '60. (EEAI 10:5)

1. Oddelek za strojninstvo Univerze v Ljubljani,  
(Machine tools)

GOLOGRANC, F.

"Hydraulic presses" by G.Oehler. Reviewed by F.Gologranc.  
Stroj vest 8 no.1/2:29-30 Ap '62.

GOLOGRANC, F.

"Mechanical presses" by H. Mäkelä. Reviewed by F. Golcgranc. Stroj  
vest 8 no.1/2:30 Ap '62.

GOLOGRAN, F.

"Vibrations in machine tools" by S.A.Tobias. Reviewed by F.Gologran.  
Stroj vest 8 no.1/2:30 Ap '62.

GOLOGRANC, F.

"Historical development of drop forging" by E.von Wedel. Reviewed  
by F.Gologranc. Stroj vest 2 no.1/2:31 Ap '62.

GOLOGRAN, F.

"Machine-tool driving gears" by H.Schöpke. Reviewed by F.Gologran:  
Stroj vest no.1/2:31 Ap '62.

GOLOGRATIC, F.

"The sledge hammer" by G.Gube. Reviewed by F.Gologratic. Street  
vest 8 no.1/2:32 Ap '62.

GOLOGRANC, F.

"Rolling and forging machines" by A.Gelegi. Edited, reviewed by  
F.Gologranc. Stroj vest 8 no.1/2:33 Ap '62.

GOLOGRANC, F.

"Circular cutting" by H. Hilbert. 2d ed. Reviewed by F.  
Gologranc. ~~Str~~ vest 8 no.3:77 Je '62.

GOLOGRANC, F.

"Plastic molding of metals in theory and practice" by A.  
Goleji. Reviewed by F. Gologranc. Stroj vest 8 no.3:79 Je  
'62.

GOLOGRANC, F.

Cold bending of pipes" by W.D. Franz. Reviewed by F. Gologranc.  
Stroj vest 8 no.4/5:117-118 0 '62.

GOLGRANC, F.

"Guide to thin board shapers." Reviewed by . . . . . Stroj vest " no.4/5:131 0 '63.

"Fundamentals of the deep drawing: in theory and practice, with a specific emphasis on the deep-drawing tests" by W. Finklin. Reviewed by F. Golgranc. Ibid.:131

L 23412-66 EWT(d)/EWT(m)/EWP(v)/I/EWP(t)/EWP(k)/EWP(h)/EWP(l) JD/HM

ACC NR: AP6004140

SOURCE CODE: UR/0125/66/000/001/0066/0068

AUTHOR: Vashchevskiy, V. F.; Gologovskiy, G. M.; Dykhno, S. I.

ORG: none

TITLE: Device for automatic monitoring of the parameters of resistance-welding regime

SOURCE: Avtomaticheskaya svarka, no. 1, 1966, 66-68

TOPIC TAGS: resistance welding, welding equipment component, power monitor, pulse signal, metallurgic testing machine, circuit design, automatic control equipment

ABSTRACT: The authors present a description of the P-192 device for automatic monitoring and signaling of deviations from the set welding regime according to the amplitude of welding current and the parameter

$$A = \int_0^{t_d} i_w dt \text{ (where } t_d \text{ is the duration of the welding-current pulse).}$$

Range of current intensities measured: 1-100 kilo-amperes (ka). Welding-current measurement error: +5%. The device (Fig. 1) is connected to the welding machine by two circuits. The first circuit (Fig. 2), represented by toroidal measuring transform-

Card 1/5

UDC: 621.791.76:681.1/.2

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ACC NR: AP6004140

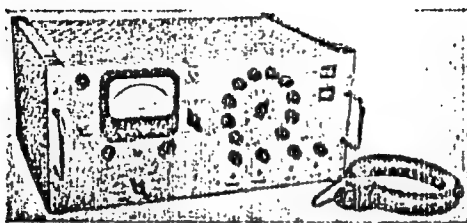


Fig. 1. External view of the P-192 device

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ACC NR: AP6004140

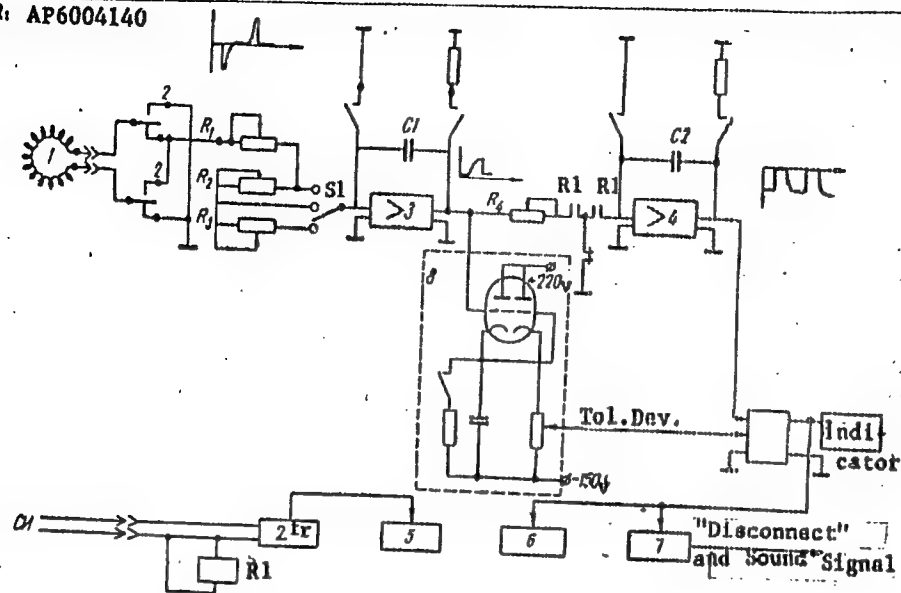


Fig. 2. Block diagram of the device

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ACC NR: AP6004140

er 1, is connected to the bottom holder of the welding machine. The second circuit pertains to synchronizing voltage pulses which must overlap in time the welding-current pulses and which are used to trigger flip-flop relay 2: the contacts of this relay switch the output of the toroidal transformer, since each time the polarity of current pulses in the welding machine is reversed. The voltage from the toroidal transformer flows to electronic integrator 3 of the DC tube-amplifier type. The input resistors  $R_1$ ,  $R_2$ ,  $R_3$  of the amplifier are designed to regulate the time constant of the RC of the integrator. Switch S1 is used to adjust the measurement range to 10, 50 or 100 ka. The integrator output is connected to memory element 8 which records the amplitude value of the restored voltage pulse at the output of integrator 3, whence the pulse is conveyed to a second integrator (DC amplifier 4 and integrating elements -- resistor  $R_4$  and capacitor C2). The contacts of relay R1 cause the resistor  $R_4$  to be connected to the amplifier input and, during the passage of the welding-current pulse, the voltage

$$U_2 \approx \int_0^{t_d} U_1 dt = \int_0^{t_d} \left( \int \frac{di_w}{dt} dt \right) dt = \int_0^{t_d} i_w dt.$$

forms at the output of integrator 4. The voltage proportional to the amplitude of the welding-current pulse, from the output of the memory element, and the voltage pro-

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ACC NR: AP6004140

portional to the amount of electricity passed during a welding pulse, from the output of the second integrator (amplifier 4), proceed to the device for measuring the tolerances of the parameters, where the variations in the pulse amplitude and the amount of electricity therein, when they exceed the upper and lower limits of the tolerance range, are recorded correct to  $\sim 0.5\%$  and indicated by the pointer on the dial. The device also includes built-in electromechanical counters of points at which the current or electricity exceed the specified tolerances and relay counters for generating the "disconnect" signal (opening of contacts) or sound signal (closing of contacts). It is also equipped with sockets for connecting an oscillograph by means of which the current-pulse shape can be visually monitored. The device can be used to monitor the performance of DC, AC and capacitor welding machines. It can be adjusted to three different scales of measurement of current-pulse amplitude and of the corresponding heating (amount of electricity in a pulse): 10 ka, 5 ka-sec; 50 ka, 25 ka-sec; and 100 ka, 50 ka-sec. Currently, a new version of the device, with digital readout which should greatly simplify the measurements, is being developed. Orig. art. has: 3 figures.

SUB CODE: 09, 11, 13/ SUBM DATE: 03Jun65/ ORIG REF: 005/ OTH REF: 000

Card 5/5 *dk*

USSR/Microbiology. Microbes Pathogenic for Man and Animals

F

Abstr Jour : Ref Zhur-Biol., No 13, 1958, 57779

Author : Fedenko A. I., Goloviyuk L. F., Leykina N. M.  
Inst : Kharkov Scientific-Research Institute of Vaccines and Sera

Title : On the Problem of the Pathogenesis of Diphtheria Carriage. Report 1. Duration of Carrying and Biological Properties of Diphtheria Bacteria.

Orig Pub : Tr. Kharkovsk. n.-i in-ta vaktsin. i serumov., 1957, 3-4, 71-72

Abstract : No abstract.

Page 1/1

SECRET, CIA.

1. The following information was obtained from a source who has provided reliable information in the past.

2. The information was obtained from a source who has provided reliable information in the past.

DORATKIN, V.I.; KOSLOVSKAYA, V.P., GRIGORIEVA, T.N.

Slab structure of the fracture of extruded L16 aluminum alloy products. Metalloved. i term. obr. met. no.12:7-12 1963.

(MIRA 17:2)



DVORKIND, M.M., inzh. V rabote prinimali uchastiye: VAS'YAS, I.P.;  
KCKSHAROV, V.D.; DRESVYANKIN, V.I.; PARAMONOVA, A.P.;  
GOLCKHMATOV, S.N.; SHISHARIN, B.N.; GOLIKOVA, T.A.; KLISEA, \*  
Ya.A.; KOZHEVNIKOV, Ye.L.; VYDRINA, Zh.A.; BUSHUYEVA, T.N.;  
NAZARENKO, G.A.

Behavior of open-hearth furnace crowns under the effect of  
feeding oxygen into the burner flame and into the bath. Stal'  
20 no.2:117-121 F '60. (MIRA 13:5)

1. Vostochnyy nauchno-issledovatel'skiy institut ogneuporov.  
(Open-hearth furnaces)  
(Firebrick)

ZAKHAROV, A.F.; PETROV, G.A.; NOVIKOV, M.D.; POPOV, L.P.; TORSHILOV, Yu.V.;  
GOLOKHMATOV, S.N.; GUSAROV, A.N.; KOVAL'CHUK, N.P.

Potentialities for increasing labor productivity in the  
open-hearth process. Stal' 21 no.6:560-562 Je '61. (MIRA 14:5)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat.  
(Open-hearth furnaces--Equipment and supplies)

Pressure Treatment of Alloys; Collection of Articles, Moscow, Oborongiz, 1958, 141pp.

SOVIET-58-10-21-58

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p. 175 (USSR)

AUTHORS: Livanov, V.A., Shilova, Ye.I., Golokhinatova, T.N.,  
Nikitayeva, O.G.

TITLE: Methods of Hardening Aluminum Alloys Intended for Operation  
at Elevated Temperatures (Puti uprochneniya aluminiiyevykh  
splavov dlya raboty pri povyshennykh temperaturakh)

PERIODICAL: V sb.: Legkiye splavy, Nr 1, Moscow, 1958, pp 88-122

ABSTRACT: Investigations were performed in order to determine the  
effect of various degrees of cold hardening, as well as of con-  
ditions of artificial aging (AA), on the mechanical properties  
of sheets of D16 alloy (A) at room temperature and at elevated  
temperatures. The initial material consisted of hot-rolled  
sheets of the D16 A which had been tempered only, or were  
tempered and subjected to natural aging for a period of five  
days; the sheets of the A were work-hardened by means of rol-  
ling with reductions equivalent to 5, 10, 15, 20, 25, and 30%.  
AA of work-hardened sheets, as well as sheets which have not  
been so treated, was accomplished at temperatures of 150,  
170, 190, and 200°C, the soaking time being 4, 8, 10, and 12

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SOV. 137-58-10-21/58

Methods of Hardening Aluminum Alloys (cont.)

hours, respectively. Optimal AA conditions, established on the basis of studies of properties of the A's at room temperature, were maintained during tests at elevated temperatures. The laws governing the changes occurring in the properties of the A relative to the temperature of AA are identical both at room temperature and at elevated temperatures. Specimens which have been aged at 170-180° possess maximal values of  $\sigma_s$  and  $\sigma_b$ , but exhibit very low values of  $\delta$ . At lower temperatures of AA (130-150°), the strength characteristics of the A's are somewhat impaired, but the  $\delta$  values are increased. Conducting the AA at a temperature of 190-200° results in a lowering of all mechanical properties of the A. It has been established that the strength of tempered and naturally aged D1c A is favorably affected by work hardening at temperatures of 100-200°. Work hardening (5-20% reduction) increases the  $\sigma_b$  of sheets of the D1c A by as much as 10-15% at a temperature of 100° and by 13-14% at a temperature of 150°. Optimal conditions for processing of sheets of D1c consist of tempering operations and work hardening by means of rolling with reductions of 5-20% followed by AA (130-150° for 10-20 hours). Problems on the nature of hardening of an A by means of mechanical working of it after the operations of tempering and prior to the process of AA are discussed.

Card 2/2      A. A. GILMAN, 1109 -- Department of Metallurgy, E. K.

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**CIA-RDP86-00513R000515730006-4**

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**CIA-RDP86-00513R000515730006-4"**

L 37166-66 EWT(m)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/MW/GD/JH  
 ACC NR: AT6016422 (A) SOURCE CODE: UR/0000/65/000/000/0151/0157

AUTHORS: Livanov, V. A.; Golokhmatova, T. N.; Berezko, R. M.; Vasil'yeva, Yo. N.

ORG: none

TITLE: Structural inhomogeneity of the cladding layer in sheets of alloy D16

SOURCE: AN SSSR. Institut metallurgii. Metallovedeniye legkikh splavov (Metallography of light alloys). Moscow, Izd-vo Nauka, 1965, 151-157

TOPIC TAGS: titanium containing alloy, manganese containing alloy, aluminum alloy / D16 aluminum alloy

ABSTRACT: The effect of hot and cold rolling of alloy D16 sheets on the homogeneity and structure of the aluminum surface layer of the sheets was investigated. The investigation was initiated to determine the mechanism for the formation of large crystal grains in the surface layer of D16AT and D16ATV hot rolled sheets. The effect of adding titanium, manganese, zirconium, and boron on the crystal grain size in the surface layer of the hot rolled sheets was also studied. The experimental results are presented graphically (see Fig. 1). Whereas additions of Zn and B had no effect on the crystal grain size, additions of Ti considerably lowered the crystal grain size, and additions of Mn completely removed any inhomogeneity in the aluminum surface layer of the alloy.

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L 37166-66

ACC NR: AT6016422

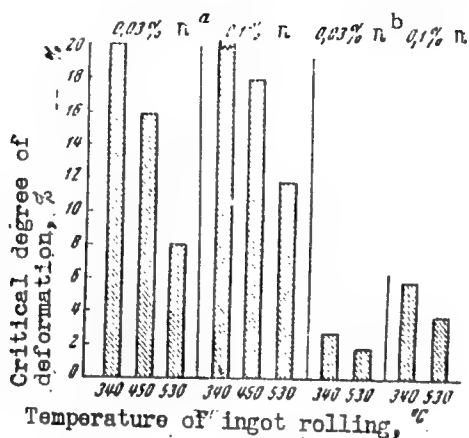


Fig. 1. Critical degree of deformation of aluminum for deformation at room temperature as a function of the titanium content and temperature of hot rolling of aluminum cladding ingots. a -- cold rolled aluminum (thickness 2.0 mm); b -- surface layer of hot rolled alloy D16.

Orig. art. has: 4 figures.

SUB CODE: 11/ SUBM DATE: 16Sep65/ ORIG REF: 001

Card 2/2 of

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... ..

" - ... .. p. 62

GOLOKHVASTOVA, M.V.

Thirtieth anniversary of the Great October Revolution and lessons  
in geography. Geog. v shkole no.3:40-42 My-Je '47. (MIRA 9:6)  
(Geography--Study and teaching)

"APPROVED FOR RELEASE: 09/24/2001

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CIA-RDP86-00513R000515730006-4"

GOLDENFELT, I. I.

"The Aeronautical Races for Cultivation Jordan Space Between the Gulf of the  
Ukrainian Sea." Gal. L. J. J., "Aeronautical Races," 10, 1968, p. 10, 10,  
Glasgow, 1968. (Vol. 1, Apr. 68)

30: Ser. No. 791, 2 Nov 51 - Survey of Scientific and Technical Publications Published at USSR Higher Educational Institutions (16).

COUNTRY : USSR  
 AGENCY : Ministry of Agriculture  
 LAB. CODE : 1000000, No. 1000  
 AUTH. : 1000000, No. 1000  
 INST. : 1000000, No. 1000  
 DATE : 1000000, No. 1000

ORIG. DIR. : 1000000, No. 1000  
 ASSIGNED : 1000000, No. 1000  
 In the experiments, a series of agricultural  
 experiments, conducted in the USSR, in 1960  
 (see, for example, the report of the USSR  
 Academy of Sciences, 1960, No. 1, p. 1000).  
 The results of the experiments, conducted in  
 the USSR, in 1960, are presented in the  
 report of the USSR Academy of Sciences, 1960,  
 No. 1, p. 1000. The results of the experiments,  
 conducted in the USSR, in 1960, are presented  
 in the report of the USSR Academy of Sciences,  
 1960, No. 1, p. 1000. The results of the  
 experiments, conducted in the USSR, in 1960,  
 are presented in the report of the USSR Academy  
 of Sciences, 1960, No. 1, p. 1000.

Cards: 10

COUNTRY :  
CATEGORY :

ABSTRACT : ... 1964-1965 ...

AUTHOR :  
INSTITUTION :  
TITLE :

ORIGIN : ...

ABSTRACT : ... the overall ...  
... the larger were the ...  
... the growing plants ...  
... the development and the ...  
... the removal of a consid-  
... the surface ... plants with the ...  
... the primordial panicle and ...  
... the stem with ...

CARD: 1/4

72

GOLOKOZ, V.F.; GORSHKOVA, N.G.

Hydraulic mechanism for breaking rocks. Gor.zhur. no.1:77 Ja  
'63. (MIRA 16:1)

(Boring machinery)

GOLOKVOSSHIS, P.B.

Necessary and sufficient conditions of the periodicity of a forced  
system of solutions for some linear systems of differential equations.  
Dokl. AN BSSR 3 no.7:287-291 J1 '59. (MIRA 1:1)

1. Predstavleno akademikom AN BSSR N.P. Yermakom.  
(Differential equations, Linear)

GOLOKVOCHUS, P.B.

Seeking characteristic indices of a system of two linear homogeneous differential equations with periodic coefficients containing a small parameter. Dokl.AN BSSR 3 no.9:361-367 S '59. (MIRA 13:2)

1. Predstavleno akademikom AN BSSR N.P.Yeruginym.  
(Differential equations, Linear)

85926

S/140/60/000/003/005/011  
C111/C222

16.3400

AUTHOR: Golokvoshus, P.P.

TITLE: Remark on Bounded and Periodic Solutions of a System of Two Linear  
Differential Equations With Periodic Coefficients Which is  
Integrated in a Closed Form

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1960,  
Nr. 3, pp. 113-117

TEXT: Theorem 1: In the system

$$(1.1) \quad \frac{dx}{dt} = X[U_1 \varphi_1(t) + U_2 \varphi_2(t)]$$

let either

$$(1.6) \quad U_1 = \begin{pmatrix} a & 0 \\ c & a \end{pmatrix}, \quad U_2 = \begin{pmatrix} b_1 & 0 \\ 0 & b_2 \end{pmatrix}$$

or

$$(1.7) \quad U_1 = \begin{pmatrix} a+2cm & -cm^2 \\ c & a \end{pmatrix}, \quad U_2 = \begin{pmatrix} b & m^2 n \\ n & b \end{pmatrix}$$

Let the continuous periodic functions  $\varphi_k(t)$  ( $k=1,2$ ) with the period  
 $\omega$

satisfy

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Remark on Bounded and Periodic Solutions of a System of Two Linear  
Differential Equations With Periodic Coefficients Which is Integrated  
in a Closed Form

(1.3)

$$\int_0^1 \varphi_n(t) dt = 0$$

✓

Under these assumptions all solutions of (1.1) have the period  $\omega = 1$   
then and only then if the parameter  $\alpha$ , given by

$$(2.1) \quad \alpha = \begin{cases} b_0 b_1 & \text{in the case (1.6)} \\ .2mn & \text{in the case (1.7)} \end{cases}$$

is a zero of the function

$$(2.2) \quad I(\alpha) = \sum_{k=0}^{\infty} \frac{a_k}{k!} \alpha^k \quad (\alpha \neq 0),$$

where

$$(2.3) \quad a_k = \int_0^1 L_2^k(t) \varphi_1(t) dt \quad (k=0,1,2,\dots)$$

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C111/C222

Remark on Bounded and Periodic Solutions of a System of Two Linear  
Differential Equations With Periodic Coefficients Which is Integrated in  
a Closed Form

and  $L_k(\tau)$  is given by

$$(2.3) \quad L_k(\tau) = \int_0^{\tau} \varphi_k(\tau) d\tau \quad (k=1,2).$$

As an example the author considers the system

$$(3.1) \quad \frac{dX}{dt} = X [U_1 \cos 2\pi t + U_2 \sin 2\pi t],$$

where  $U_k$  are given by (1.6) or (1.7). All solutions are periodic with  $\omega=1$

if  $\frac{c_1}{2\pi}$ , where  $c_1$  is given by (2.11), is a zero of the Bessel function

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Card 3/4

85926

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C111/C222

Remark on Bounded and Periodic Solutions of a System of Two Linear  
Differential Equations With Periodic Coefficients Which is Integrated in  
a Closed Form

$$(3.4) \quad J_1 \left( \frac{a_1}{2\pi} - \int_{-\infty}^{\infty} (-1)^j \frac{a_1}{(j-2)!} \left( \frac{a_1}{4} \right)^{2j-1} \right)$$

There are 7 Soviet references

ASSOCIATION Val'nyusskiy gosudarstvennyy universitet imeni V.Kapsukasa  
(Val'nyus State University imeni V.Kapsukas)

SUBMITTED: October 1, 1958

Card 4/4

GOLOKVOSCHUS, P.B.

Seeking characteristic exponents of a system of two differential equations with periodic coefficients, analytical relative to a small parameter. Dokl.AN BSSR 4 no.6:236-240 Je '60.

(MIRA 13:7)

1. Vil'nyusskiy gosudarstvennyy universitet im. V.Zapsukasa.

Predstavleno akad. AN BSSR N.P.Yeruginyn.

(Differential equations)

limitation  
BOLOKOVICH, P. I. *Chislennyye-Math. Sci.* -- "Problems of the ~~stability~~ <sup>limitation</sup> of solutions  
of linear systems of differential ~~equations~~ equations with periodic coefficients in  
certain individual cases." *Minsk*, 1966 (Ac. Sci. Information Ser. Separation of  
Phys-Math, Chem and Biol Sci, (12, 1-21, 179)

-14-

L 18525-63 EWT(d)/FCG(w)/BDS AFFTC/IJP(C)

ACCESSION NR: AT3002172

8/2924/61/001/01-/0059/0077

AUTHOR: Golokvoschys, P.

53  
52

TITLE: Finding characteristic exponents of a system of two homogeneous differential equations (i).

SOURCE: Litovskiy matematicheskiy sbornik. v. 1, no. 1-2, 1961, 59-77

TOPIC TAGS: characteristic exponent, differential equation

ABSTRACT: The author investigates characteristic exponents for the system given in the equation, where  $Q_0$  is a constant matrix,  $Q_k(t)$  ( $k = 1, 2, \dots$ ) are continuous matrices of the independent variable  $t$  with common period  $\omega = 1$ ,  $X$  is the integral matrix,  $\mu$  is a small parameter, and the series converges for  $|\mu| < r$ . He assumes that  $Q_0$  and  $Q_k(t)$  ( $k = 1, 2, \dots$ ) are second degree matrices and that the characteristic numbers  $\xi_1$  and  $\xi_2$  of  $Q_0$  satisfy the condition given in the following

$$\frac{dX}{dt} = X \left[ Q_0 + \sum_{k=1}^{\infty} Q_k(t) \mu^k \right], \quad \begin{matrix} \text{[Abstracter's note:} \\ \mu_k \text{ should be } \mu^k \end{matrix} \quad \xi_1 - \xi_2 \neq 2\pi m i \quad (i = \sqrt{-1}),$$

where  $m$  is an integer. Orig. art. has 158 formulas.

Card 1/2, ASSN: Vilnius State University

3/169/03/0000000000000000  
D324/D302

AUTHOR: Gololeva, Ye. I.  
TITLE: Role of radiation in the formation of stratus cloud and in its evolution  
PERIODICAL: Referativnyy zhurnal, Geofizika, no. 12, 1961, no. 7, 22-26  
30, abstract 12B197 (Meteorol. i gidrologiya, 1961, no. 7, 22-26)

TEXT: The question of the influence of the radiational cooling of the lower half-kilometer layer of air on the formation and evolution of low stratus cloud is discussed. The case of the formation of low cloud near Moscow in the period from March 9 to March 11, 1956, is discussed as an example. The appearance of stratus cloud was accompanied by the fall of the temperature in the lower 500-m layer during the considerable weakening of the wind with altitude. It is established that the main cause of this was radiational cooling. In addition, the role of the

Card 1/2

GOLOLOB, V.

Practices of freight transportation agencies. Avt.transp. 39  
no.4:13 Ap '61. (MIRA 14:5)  
(Estonia--Freight and freightage)

CA 12

A nickel-enriched biogeochemical province in Southern Ural. A. D. Golobov, Byull. Mosk. Obshchestva Ispytatel. Prirody, 1961, 57, No. 4, 1-14 (1961). A study of a region of Northern Kazakhstan-Southern Ural in which relatively high levels of Ni are found in the soil is reported. Up to 0.25% levels in farm soils are not uncommon. Hence, all ground waters, plants, and animals possess supernormal amounts of the element in their makeup. The study of cattle and sheep showed that highest levels are found in the skin, muscle, and liver. The wool retains slightly lesser levels than does the skin proper. Ni was found, however, in all organs. Usually the organs that contain high levels of Ni also carry high levels of Cu. The high levels of Ni are apt to cause so-called nickel eczema and an endemic affliction of visual organs of the farm animals. The production (or formation) of wool by sheep in this region is supernormal and appears to be a form of adaptation and detoxication. G. M. Kozolapoff

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**CIA-RDP86-00513R000515730006-4"**

KOVAL'SKIY, V.V.; GOLLOBOV, A.D.

[Methods for determining trace elements in soils, plant and animal organisms] Metody opredeleniya mikroelementov v pochvakh, rastitel'nykh i zhivotnykh organizmakh. Moskva, Redaktsionno-izdatel'skii otel VIZH, 1959. 137 p. (MIRA 13:3)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva.

(Trace elements)

GOLOLOBOV, A.D.

Biogeochemical provinces rich in nickel and copper. Trudy Biogeo-  
khim. lab. no.11:178-188 '60. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnodstva.  
(COPPER--PHYSIOLOGICAL EFFECT)  
(NICKEL--PHYSIOLOGICAL EFFECT) (VETERINARY PHYSIOLOGY)

GOLOLOBOV, A.I.

Photometric determination of protein in milk. Vop.pit. 21 no.3:17-  
22 My-Je '62. (MIRA 15:10)

1. Iz Tsentral'noy khimiko-analiticheskoy laboratorii (zav. -  
kand.biologicheskikh nauk A.D.Gololobov) Vsesoyuznogo nauchno-  
issledovatel'skogo instituta zhivotnovodstva, Moskva.  
(MILK--ANALYSIS AND EXAMINATION) (PROTEINS)

GOLITSIN, A.D., kand. biol. nauk, kandid., i.d., prof., red.;  
DANILEV, A.M., red.

[Methodological recommendations on the determination of  
trace elements in soil, plants and animal organisms] Met-  
odicheskie rekomendatsii po opredeleniiu mikroelementov  
v pochvakh, rastitel'nykh i zhivotnykh organizmakh. [n.p.]  
Otdel nauch. slova. izdatel'stvo VILFA, 1967, 101 p.

(USSR 1748)

1. Moscow. Voprosy zhivotnoy khimii. 1967, institut  
zhivotnoy khimii. 1967, 101 p. (by order of the  
sel'skokhozyaystvennykh nauk izdatel'stvo VILFA (for Koval'skiy)).

GOIGLEBOV, A.D.

Determining manganese by the photometric method using formal-  
dazine. Pochvovedenie no.3:89-93 Mr '65.

(MIRA 28:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zoliv. i. meditsina.

STEPANOV, V. I., kand. tekhn. nauk; GOLDOBOV, A. E., kand. biolog. nauk

protein hydrolysates and synthetic amino acids as additional sources of food proteins. Zhur. VHKO IC no.3:312-319 '65.  
(MIRA 18:8)





USSR/Zooparasitology. Ticks and Insects - Vectors of G  
Causal Organisms. Ticks.

Abs Jour: Ref. Zhur. - Biol., No 23, 1958, 104096

Author : Gololobov, A. G.

Inst : All-Union Institute of Experimental Veterinary  
Medicine

Title : Study of ixodial Ticks and Hemosporidiosis of  
Horses and Long-Horned Cattle under the Condi-  
tions of Sakhalin.

Orig Pub: Tr. Vses. in-ta eksperim veterinarii, 1957, 21,  
290-295

Abstract: Four species of ixodial ticks are found on  
Sakhalin. Ixodes persulcatus was found in all  
the places examined, between 46-61° north lati-  
tude both on cattle and on wild animals and  
birds. The season of activity of its imago

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GOLOLOBOV, A.P.

Clinical morphological modifications of bones in intramedullary fixation of fractures with various metals; experimental investigations [with summary in English, p.159] Vest.khir. 77 no.6:64-70 Je '50. (MIRA 9:8)

1. Iz voyskovoy chasti (nach. - A.F.Il'in, nauchn. rukovoditel' raboty - D.I.Drozhdov)  
(FRACTURES, experimental,  
intramedullary nailing, eff. of various metals (Rus))

GOLOLOBOV, A.P., podpolkovnik med.sluzhby; SHLAYFER, G.R., podpolkovnik  
med.sluzhby

Organization of medical practice by military physicians in a  
garrison hospital. Voen.-med.zhur. no.10:79-80 0 '61. (MIRA 15:5)

(MEDICINE, MILITARY)